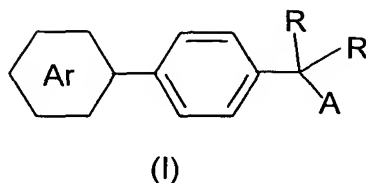


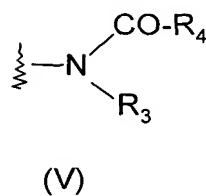
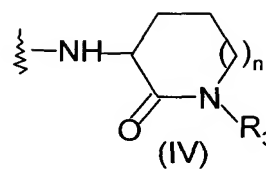
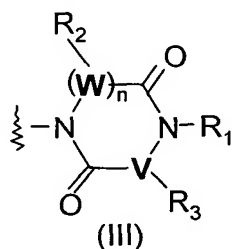
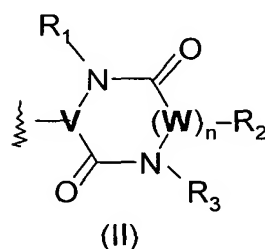
CLAIMS

1. A bisaryl derivative of the formula I,



wherein (R,R) is selected from (H,H), O, (H,CH₃), (H,OH) and (H,CN);
and wherein

A is a group of formula II, III, IV or V:



wherein

n is 0, 1, or 2;

R₁ is H, (C₁-C₆)alkyl;

V is CH or N;

W is CR₂' or N if n is 1 and W is CR₂' if n is 2;

and V and W are not both N;

R₂ and R₂' are independently H, (C₁-C₄)alkyl or -CH₂OH;

R₃ is (C₁-C₁₅) alkyl, which may optionally be branched or unbranched and optionally may contain a double or triple bond at one or more positions, or R₃ is -(CH₂)_q-O-(C₁-C₄)alkyl, -(CH₂)_q-(C₃-C₈)cycloalkyl, -(CH₂)_q-tetrahydrofuranyl, -(CH₂)_q-thiophenyl, -(CH₂)_q-1,4-benzodioxol-6-yl,

1073.071

-(CH₂)_q-phenyl, -(CH₂)_q-S-phenyl, or -(CH₂)_q-O-phenyl, wherein phenyl may be optionally substituted with (C₁-C₆)alkyl, (C₁-C₄) alkoxy, halogen, amino, or dimethylamino, wherein q is an integer of 1-10;

or R₃ is -(CH₂)_x-C(O)-NR₅-R₆ wherein

R₅ is H or (C₁-C₄)alkyl,

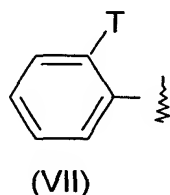
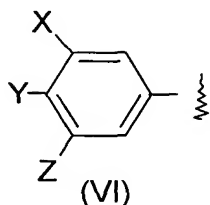
R₆ is -(CH₂)_p-O-(C₁-C₄)alkyl, -(CH₂)_p-(C₃-C₈)cycloalkyl, -(CH₂)_p-tetrahydrofuranyl, -(CH₂)_p-thiophenyl, -(CH₂)_p-1,4-benzodioxol-6-yl, -(CH₂)_p-phenyl, -(CH₂)_p-S-phenyl, or -(CH₂)_p-O-phenyl, wherein phenyl may be optionally substituted with (C₁-C₆)alkyl, (C₁-C₄) alkoxy, halogen, amino, or dimethylamino,

wherein x and p are integers, and x is ≥ 1 and p > 1 and x + p = 3 - 8;

or R₃ is -(CH₂)_y-C(O)-NR₅-(C₁-C₁₂)alkyl, wherein the alkyl moiety may optionally be branched or unbranched and optionally may contain a double or triple bond at one or more positions, R₅ is as previously defined, y is an integer of 1-12 and the maximal chain length of R₃ is 15 atoms;

R₄ is (C₂-C₆)*n*-alkyl or (C₂-C₆)*n*-alkoxy;

and Ar is of the formula VI or VII:



wherein

- (i) X, Y, Z are independently H, OH, (C₁-C₄)alkyl, (C₁-C₄)alkoxy, provided that at least one of X, Y and Z is not H; or
- (ii) two of X, Y and Z are H, the other being -CHO, -CH₂-NR₇-CH₂-R₈ or -CH₂-NR₇-CO-R₈, wherein R₇ is H, (C₁-C₆)*n*-alkyl or -(CH₂)_m-O-(C₁-C₄)alkyl; R₈ is (C₁-C₄)alkyl, (C₁-C₄)alkoxy, (C₁-C₄)alkoxy-(C₁-C₄)alkyl, amino or (C₁-C₄)alkyl-NH-; and m being 2-6; and
- (iii) T is -CH₂-NR₉R₁₀, wherein R₉ is (C₁-C₆)*n*-alkyl and R₁₀ is (C₂-C₅)acyl, (C₁-C₄)alkoxycarbonyl or (C₁-C₄)alkyl-NH-CO-.

2. The bisaryl derivative of claim 1, wherein (R,R) is (H,H).

3. The bisaryl derivative of claim 2, wherein A is a group of formula II.

4. The bisaryl derivative of claim 3, wherein
 - n is 0, 1, or 2;
 - R₁ is (C₁-C₄)alkyl;
 - V is CH;
 - W is CR₂' ;
 - R₂ and R₂' are independently H, (C₁-C₄)alkyl or -CH₂OH; and
 - R₃ is (C₁-C₁₅) alkyl, which may optionally be branched or unbranched and optionally may contain a double or triple bond at one or more positions, or R₃ is -(CH₂)_q-O-(C₁-C₄)alkyl, -(CH₂)_q-(C₃-C₈)cycloalkyl, -(CH₂)_q-phenyl, -(CH₂)_q-S-phenyl, or -(CH₂)_q-O-phenyl, wherein phenyl may be optionally substituted with (C₁-C₆)alkyl, (C₁-C₄) alkoxy, halogen, amino, or dimethylamino, wherein q is an integer of 1-10; or R₃ is -(CH₂)_x-C(O)-NR₅-R₆, wherein
 - R₅ is H or (C₁-C₄)alkyl,
 - R₆ is -(CH₂)_p-O-(C₁-C₄)alkyl, -(CH₂)_p-(C₃-C₈)cycloalkyl, -(CH₂)_p-phenyl, -(CH₂)_p-S-phenyl, or -(CH₂)_p-O-phenyl, wherein phenyl may be optionally substituted with (C₁-C₆)alkyl, (C₁-C₄) alkoxy, halogen, amino, or dimethylamino,
 - wherein x and p are integers, and x is ≥ 1 and p > 1 and x + p = 3 - 8;
 - or R₃ is -(CH₂)_y-C(O)-NR₅-(C₁-C₁₂)alkyl, wherein the alkyl moiety may optionally be branched or unbranched and optionally may contain a double or triple bond at one or more positions, R₅ is as previously defined, y is an integer of 1-12 and the maximal chain length of R₃ is 15 atoms.

5. The bisaryl derivative of claim 4, wherein n is 1; R₁ is methyl; and R₂ and R₂' are independently H or methyl; and Ar is of the formula VI.

6. The bisaryl derivative of claim 5, wherein R_3 is $-\text{CH}_2-\text{C}(\text{O})-\text{NH}-(\text{CH}_2)_p\text{-phenyl}$, wherein p is 2-4 and phenyl may be optionally substituted; and Ar is of the formula VI, wherein X, Y and Z are all methoxy, or X and Z are methoxy and Y is OH, or X and Y are both H, and Z is $-\text{CH}_2-\text{NR}_7-\text{CO}-\text{R}_8$.
7. The bisaryl derivative of claim 5, wherein R_3 is $(\text{C}_1-\text{C}_{15})\text{alkyl}$, which may optionally be branched or unbranched and optionally may contain a double or triple bond at one or more positions, or R_3 is $-(\text{CH}_2)_q-\text{O}-(\text{C}_1-\text{C}_4)\text{alkyl}$, $-(\text{CH}_2)_q-(\text{C}_3-\text{C}_8)\text{cycloalkyl}$, $-(\text{CH}_2)_q\text{-phenyl}$, $-(\text{CH}_2)_q\text{-S-phenyl}$, or $-(\text{CH}_2)_q\text{-O-phenyl}$, wherein phenyl may be optionally substituted with $(\text{C}_1-\text{C}_6)\text{alkyl}$, $(\text{C}_1-\text{C}_4)\text{alkoxy}$, halogen, amino, or dimethylamino; and Ar is of the formula VI, wherein X, Y and Z are all methoxy, or X and Z are methoxy and Y is OH, or X and Y are both H, and Z is $-\text{CH}_2-\text{NR}_7-\text{CO}-\text{R}_8$.
8. The bisaryl derivative of claim 7, wherein R_2 is methyl and R_2' is H or R_2 and R_2' are both methyl; R_3 is an unbranched $(\text{C}_7-\text{C}_{10})$ *n*-alkyl, optionally containing one or two double bonds, or R_3 is selected from $-(\text{CH}_2)_r\text{-CH}(\text{CH}_3)_2$, $-(\text{CH}_2)_r\text{-phenyl}$ and $-(\text{CH}_2)_r\text{-S-phenyl}$, r being 5-8 and t being 4-7; and Ar is of the formula VI, wherein X, Y and Z are all methoxy, or X and Z are methoxy and Y is OH, or X and Y are both H, and Z is $-\text{CH}_2-\text{NR}_7-\text{CO}-\text{R}_8$, wherein R_7 is *n*-butyl or $-(\text{CH}_2)_2\text{-O-CH}_3$ and R_8 is $-\text{CH}_3$, $-\text{NHCH}_3$ or $-\text{OCH}_3$.
9. The bisaryl derivative of claim 8, wherein R_3 is *n*-octyl and Ar is of the formula VI, wherein X and Y are both H, and Z is $-\text{CH}_2-\text{NR}_7-\text{CO}-\text{R}_8$, wherein R_7 is *n*-butyl or $-(\text{CH}_2)_2\text{-O-CH}_3$ and R_8 is $-\text{CH}_3$, $-\text{NHCH}_3$ or $-\text{OCH}_3$.
10. The bisaryl derivative of claim 4, wherein n is 1, R_1 is *n*-butyl, R_2 and R_2' are independently H or methyl and R_3 is $-\text{CH}_2-\text{CO}-\text{NH}-(\text{C}_4-\text{C}_{10})\text{alkyl}$, wherein the alkyl moiety is branched or unbranched, or $-\text{CH}_2-\text{CO}-\text{NH}-\text{R}_6$, wherein R_6 is $-(\text{CH}_2)_p\text{-cyclohexyl}$ or $-(\text{CH}_2)_p\text{-phenyl}$, the phenyl being optionally substituted with $(\text{C}_1-\text{C}_6)\text{alkyl}$ or halogen and p being 2-4.

1073.071

11. The bisaryl derivative of claim 2, wherein A is a group of the formula III.
12. The bisaryl derivative of claim 11, wherein n is 0 or 1, R₁ is H or methyl, V is CH, W is CH, R₂ is H or methyl, R₃ is (C₄-C₁₀)*n*-alkyl or -CH₂-C(O)-NH-(C₄-C₁₀)*n*-alkyl, and Ar is of the formula VI, wherein X, Y and Z are methoxy.
13. The bisaryl derivative of claim 2, wherein A is a group of formula IV.
14. The bisaryl derivative of claim 13, wherein Ar is of the formula VI, wherein two of X, Y and Z are H, the other being -CH₂-NR₇-CO-R₈, wherein R₇ is (C₁-C₆)*n*-alkyl and R₈ is (C₁-C₄)alkyl or (C₁-C₄)alkyl-NH-.
15. The bisaryl derivative of claim 14, wherein R₃ is -CH₂-CO-NH-R₆, wherein R₆ is -(CH₂)_p-phenyl, the phenyl being optionally substituted with halogen and p being 2-4.
16. The bisaryl derivative of claim 2, wherein A is a group of the formula V.
17. The bisaryl derivative of claim 16, wherein Ar is of the formula VII.
18. The bisaryl derivative of claim 17, wherein R₃ is -CH₂-CO-NH-(C₁-C₄)*n*-alkyl or -CH₂-CO-NH-(CH₂)_p-(C₃-C₈)cycloalkyl, p being 2-4.
19. A pharmaceutical composition comprising the compound of claim 1 and a pharmaceutically acceptable carrier.
20. A method of treating infertility comprising administering to a mammal a compound according to claim 1.
21. A method of preventing conception comprising administering to a mammal a compound according to claim 1.